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Advances in Friction, Lubrication, Wear and Oxidation in Metals Manufacturing

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

We would like to invite researchers to submit original research papers, short communications, and review articles to this Special Issue on “Advances in Friction, Lubrication, Wear and Oxidation in Metals Manufacturing”. This Special Issue is dedicated to disseminating the latest research and understandings based on advanced experimental studies and computational modellings related to the development of novel lubricants for the manufacturing and characterization of tribological properties and oxidation behavior of metals. The potential scope of interest includes (but is not limited to):

- Advanced manufacturing;
- Metal forming;
- Metals and alloys;
- Development and application of novel lubricants;
- Tribology testing;
- Characterization of friction and wear;
- Oxidation in manufacturing;
- Contact mechanics, computational simulation, and multiscale modeling.

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Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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